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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/631,821	08/01/2003	Masahiko Kyouzuka	030920	1721

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EXAMINER

LIANG, REGINA

ART UNIT

PAPER NUMBER

2629

DATE MAILED: 05/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/631,821

Applicant(s)

KYOUZUKA ET AL.

Examiner

Regina Liang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 06 April 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-2 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. This Office Action is responsive to response filed 4/6/06. Claims 1-2 are pending.
2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

### *Claim Rejections - 35 USC § 103*

3. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hogdahl et al (US. PAT. NO. 5,264,992 hereinafter Hogdahl) in view of Klein et al (US. PUB. NO. 2002/0190956 hereinafter Klein).

As to claim 1, Hogdahl discloses a portable information terminal (Figs. 1-4) comprising:  
an upper section (front section as shown in Fig. 5A) provided with a display screen (LCD 60) displaying information; a detector (digitizer 62) detecting, when a position on the display screen is pointed, the position and outputting a position signal; a decoder circuitry (68) generate position signals from the digitizer and outputting the position signals (col. 5, lines 26-43; col. 6, lines 1-2);

a lower section (rear section 46 as shown in Fig. 5B) provided with a processing section (motherboard 124, and col. 10, lines 53-54) receiving the signals output from the decoder circuitry, recognizing the position and processing information displayed on the display screen according to the recognized position (col. 5, lines 40-43).

Hogdahl does not explicitly disclose the decoder circuitry having a converter for converting the position signal output from the digitizer to a digital signal. However, Fig. 3 of Klein teaches a portable device having a touch panel (digitizer), a decoder circuitry (170) having

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an ADC converter for converting the position signal output from the touch panel to a digital signal. Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the decoder circuitry of Hogdahl to have a ADC converter as taught by Klein such that the analog signal output from the digitizer can be converted into digital signal capable of being processed by the digital processor.

As to claim 2, Klein teaches the touch panel (digitizer detector) outputs an analog position signal.

#### ***Response to Arguments***

4. Applicant's arguments filed 4/6/06 have been fully considered but they are not persuasive.

Applicant's remarks regarding Hogdahl and Klein on pages 2-4 are not persuasive since it is well known in the art that in order for the processor to process analog signals from the digitizer the signals must be digitized by converting the analog signals into digital signals using an ADC converter and this is evidenced by Klein.

Applicant's remarks that Klein does not disclose the converter is in the upper section of the portable information terminal are not persuasive. Applicants cannot show non-obviousness by attacking references individually where, as here the rejections are based on combination of references. Furthermore, Hogdahl already disclosed the decoder is located in the upper section of the portable information terminal, therefore in the combination of Hogdahl and Klein the ADC converter would logically and obviously be located in the upper section of the portable information terminal as claimed.

Applicant's remarks that Hogdahl teaches away from including a converter in the front section 44 are not persuasive. The connector 780 provides signals to the motherboard, and this connector 780 (which is referred to as a converter by applicant) is located in the front section, and Hogdahl in Fig. 5a clearly discloses the decoder 68 is located in the front section, hence if an ADC converter were to be included, one having ordinary skill in the art would clearly have been motivated to include the ADC converter in the front section as the decoder which is located in the front section.

### ***Conclusion***

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

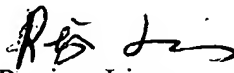
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Regina Liang whose telephone number is (571) 272-7693. The examiner can normally be reached on Monday-Friday from 8AM to 5:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (571) 272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Regina Liang  
Primary Examiner  
Art Unit 2674

5/11/06